



Letter to the Editor

Leptin as an independent marker of metabolic syndrome

Dear Editor,

The publication on “Leptin as an independent marker of metabolic syndrome” by Tseng *et al.* is very interesting [1]. Tseng *et al.* concluded that “Serum leptin is positively correlated with MetS. It serves as an independent marker of MetS in elderly patients with T2DM [1].” In fact, the usefulness of serum leptin is widely mentioned. Nevertheless, there are many possible confounding factors that might disturb the determination. First, exercise can result in lowering leptin level [2]. Second, in the case with underlying liver problem and abnormal elevated bilirubin level (such as in cases with chronic hepatitis), the interference on leptin level measurement is possible [3]. Hence, the patients with underlying hepatitis should be excluded from the study. These factors have to be concerned in the study by Tseng *et al.* [1].

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Conflicts of interest

There are no conflicts of interest.

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